

Living Lab Scheveningen



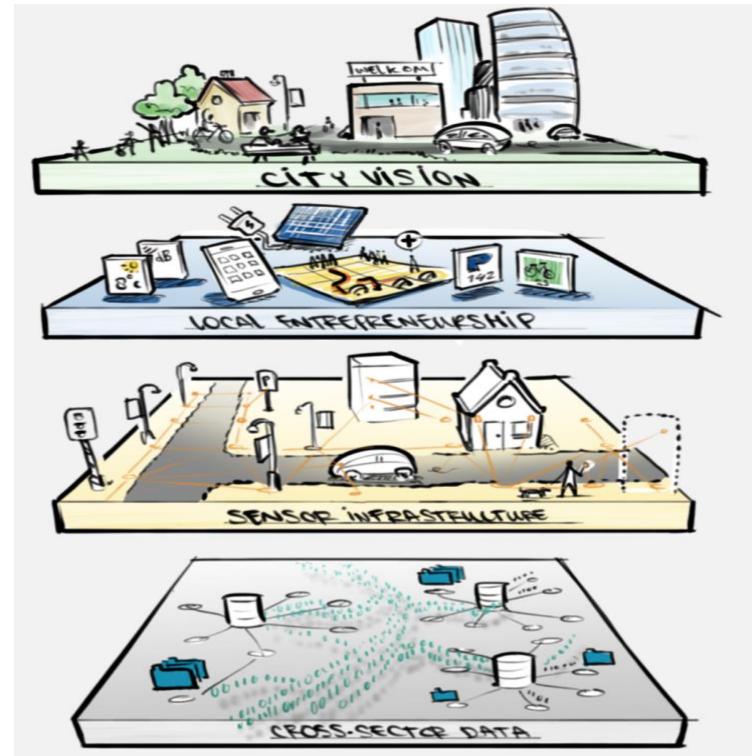
‘Using redevelopment to create a
5G Based Digital infrastructure’

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The Hague Digital Vision

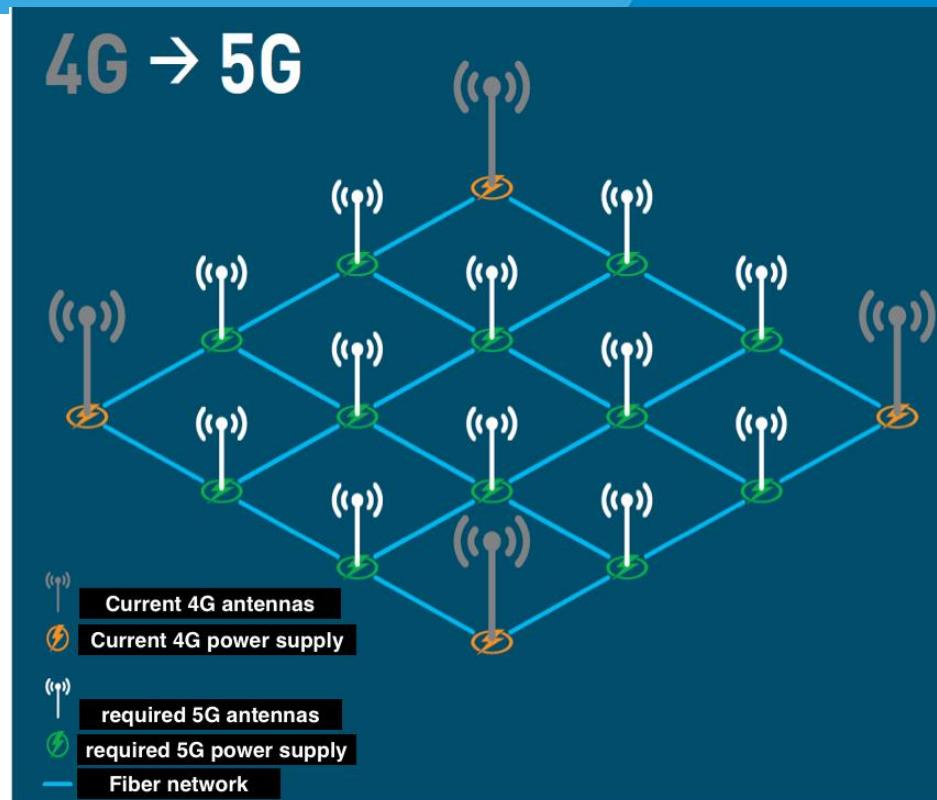
Solving City Challenges

- Energy transition
- Mobility transition
- Urbanization
- Social inclusion
- Economic development



The Impact of 5G in the city

- 4 x more antennas with 5G (15.000 per provider)
- Fiber, POPs, mini datacenters and DC power supply
- Regulations that dictate facilitation of Telco's
- Be in control of the public space



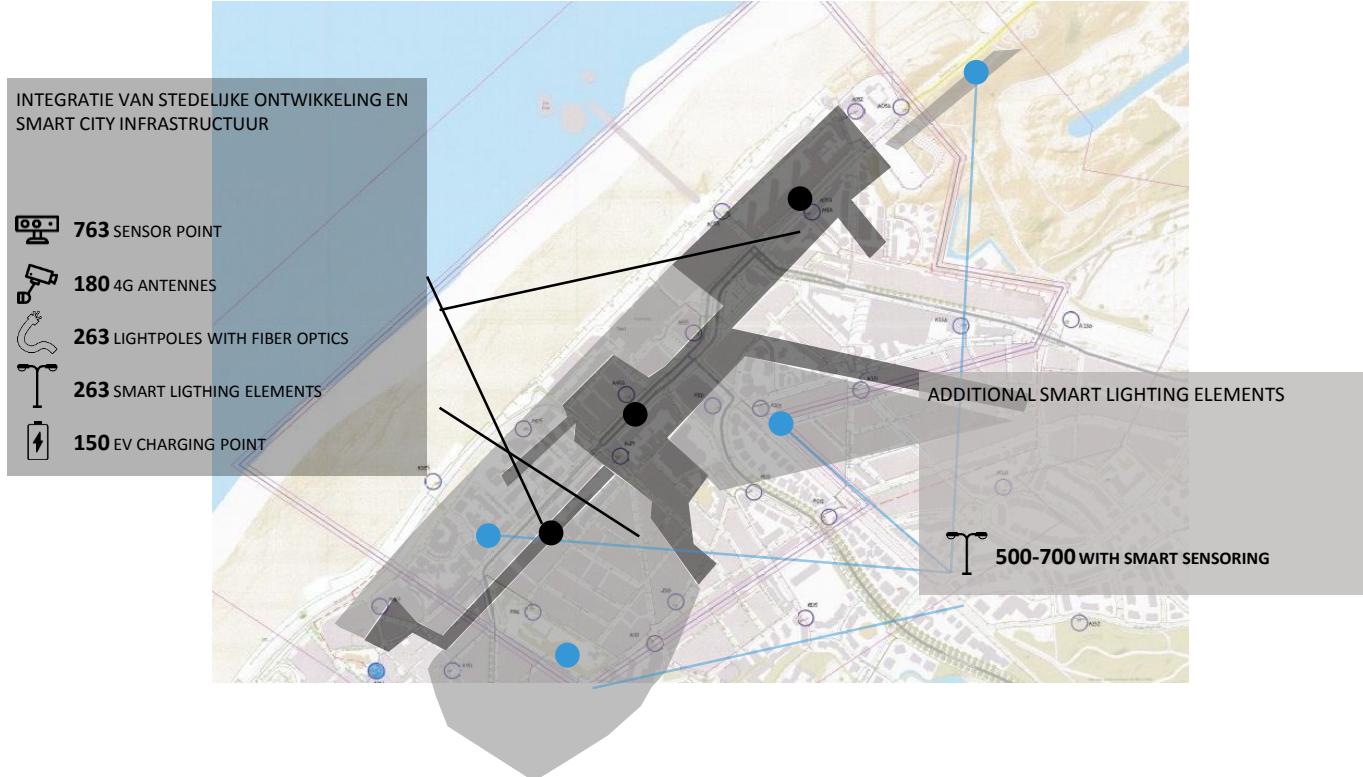
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Urban Development as a Smart City Accelerator

- Integrate 5G infrastructure with Urban Planning
- Use existing budget for Finance
- Create new smart applications
- Create new Business Models



LIVING LAB SCHEVENINGEN



MODULAIR LIGHT POLES



LIF ADDITIONAL MODULES

Everything is possible with the LIF pole. Beginning options for much more than just light. These modules enable a wide range of additional functions to be integrated into the column body such as cameras, air quality sensors, digital displays, bicycle racks, a waste bin module or a WiFi hotspot, an e-bike or a charging station - the new urban light can be tailored perfectly to meet the 24 hour requirements of modern City life.

SMART ENVIRONMENT





SMART PARKING

Lessons Learned (1)

- 5G Based Digital infrastructure essential for innovation
- Different approach to asset management and budgeting (integral)
- Develop a multidisciplinary team to combine smart city and Urban Development
- Develop supporting public maintenance policies



Lessons Learned (2)

- By using redevelopment costs are 1/5 of the traditional way (€10,75 p/m instead of €50,-)
- High availability of capital investment
- Organize participation to improve support
- You only get it financed if you combine use-cases (The Hague identified 147 use-cases)



Next steps

- Combined team from The Hague and the province South Holland start this year with the first 10 use cases.
- Policy decision to use all redevelopment projects to create a digital infrastructure.
- Extension of the test area to International Zone and Central Innovation District
- Cooperation with different parties to start use-cases and tests in those.



Enjoy Scheveningen & The Hague



“Thank you for your attention”